

## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

CODE	DATE	WFO
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Applicant's or agent's file reference  101358-1 WO	FOR FURTHER ACTION  see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No.  PCT/GB2005/000567	International filing date (day/month/year)  17/02/2005	(Earliest) Priority Date (day/month/year)  20/02/2004
Applicant  ASTRAZENECA AB		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b.  With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2.  **Certain claims were found unsearchable** (See Box II).

3.  **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. \_\_\_\_\_

as suggested by the applicant.

as selected by this Authority, because the applicant failed to suggest a figure.

as selected by this Authority, because this figure better characterizes the invention.

b.  none of the figures is to be published with the abstract.

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2005/000567

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C07F5/02 C07D401/14

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C07D C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data, BEILSTEIN Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 197 967 B1 (VOLLMUELLER FRANK ET AL) 6 March 2001 (2001-03-06) claim 1; example 5; table 5 -----	7
A		1-6
X	PIETTRE S R ET AL: "Monoaryl- and Bisaryl dihydroxytropolones as Potent Inhibitors of Inositol Monophosphatase" JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY, WASHINGTON, US, vol. 40, 1997, pages 4208-4221, XP002329872 ISSN: 0022-2623 page 4214, right-hand column, paragraph 2 - paragraph 6; compounds 20J, 1P page 4216, left-hand column, paragraph 3 ----- -/-	1-7

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

\*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

\*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

\*&\* document member of the same patent family

Date of the actual completion of the International search  9 August 2005	Date of mailing of the international search report  29.08.2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  Härtinger, S

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2005/000567

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 98/40332 A (ZENECA LIMITED; HOGAN, PHILIP, JOHN) 17 September 1998 (1998-09-17) cited in the application page 5, line 20 – line 26 page 7, line 5 – line 10 -----	1-7
X		8-13
A	WO 96/40681 A (ZENECA LIMITED) 19 December 1996 (1996-12-19) cited in the application page 17, paragraph 2; claim 15; example 36 page 16, last paragraph page 19, paragraph 1 -----	1-7
X		8-13

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2005/000567

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

**FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210**

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-7

synthesis of azole substituted phenylboronic acids

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2. claims: 8-13

preparation of oxadiazole coupling products

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2005/000567

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6197967	B1	06-03-2001	DE GB	19857765 A1 2344817 A	21-06-2000 21-06-2000
WO 9840332	A	17-09-1998	AT AU DE EP ES WO JP US US ZA	278651 T 6630098 A 69826845 D1 0973704 A1 2227807 T3 9840332 A1 2001514648 T 2003162973 A1 6531605 B1 9801933 A	15-10-2004 29-09-1998 11-11-2004 26-01-2000 01-04-2005 17-09-1998 11-09-2001 28-08-2003 11-03-2003 07-09-1998
WO 9640681	A	19-12-1996	AT AU AU BR CA CN CZ DE DE DK EP ES WO HK HR HU IL JP JP NO NZ PL PT SI SK TR US US US ZA	209200 T 715041 B2 5840396 A 9608611 A 2219742 A1 1192739 A ,C 9703887 A3 69617236 D1 69617236 T2 832082 T3 0832082 A1 2168487 T3 9640681 A1 1005801 A1 960272 A1 9802300 A2 122464 A 11509175 T 3193058 B2 975700 A 308619 A 324660 A1 832082 T 832082 T1 168097 A3 9701502 T1 6060475 A 6258817 B1 5866568 A 9604615 A	15-12-2001 13-01-2000 30-12-1996 11-05-1999 19-12-1996 09-09-1998 18-03-1998 03-01-2002 11-07-2002 21-05-2002 01-04-1998 16-06-2002 19-12-1996 20-12-2002 31-08-1997 28-10-1999 23-05-2002 17-08-1999 30-07-2001 05-12-1997 28-01-2000 08-06-1998 29-04-2002 30-04-2002 06-05-1998 21-03-1998 09-05-2000 10-07-2001 02-02-1999 09-12-1996